

CLAIMS

What is claimed:

1. A battery assembly for storing electric energy comprising:
a frame defining a plurality of channels ;
a plurality of cells having first and second terminals extending out therefrom,
each of said plurality of cells being received and positioned by one of said plurality of
channels such that said first terminals are aligned and said second terminals are
aligned; and
a bus bar positioned over said first and second terminals such that said bus
provides electrical contact for each of said first terminals to electrical contact each
other and said bus bar provides electrical contact for each of said second terminals to
electrical contact each other to allow said battery assembly to provide the electric
potential from said plurality of cells .
2. A battery assembly as set forth in claim 1 wherein said frame
defines a bus support for receiving said bus bar therein.
3. A battery assembly as set forth in claim 2 including a slide
receivable by said bus support to maintain said first and second terminals in electrical
contact with said bus bar .
4. A battery assembly as set forth in claim 3 wherein said bus support
includes a guide for receiving said slide therein.
5. A battery assembly as set forth in claim 4 wherein said bus bar
includes a plurality of slots allowing each of said first and second terminals to pass
therethrough when said bus is mounted to said frame.
6. A battery assembly as set forth in claim 5 wherein said guide
extends along said bus support at an angle.
7. A battery assembly as set forth in claim 6 wherein said angle is
acute.

8. A battery assembly as set forth in claim 7 wherein said bus includes a terminal receiving surface for receiving said first and second terminals thereagainst.

9. A battery assembly as set forth in claim 8 wherein said bus includes an electrical conductor to contact each of said first and second terminals.

10. A battery assembly as set forth in claim 9 wherein said housing includes a front side support extending across one of said plurality of cells to protect said plurality of cells.

11. A battery assembly as set forth in claim 10 wherein said housing includes a back side support extending across another of said plurality of cells to protect said plurality of cells.

12. A battery assembly as set forth in claim 11 including end supports defining said plurality of channels, said end supports extending between said front and back side supports on either of said plurality of cells.

13. A battery assembly as set forth in claim 12 including protrusions extending out of each of said front and back side supports.

14. A battery assembly as set forth in claim 13 wherein said bus supports include apertures for receiving said protrusions therethrough to snap lock said frame together.

15. A battery assembly for storing electric energy comprising:
a frame defining a plurality of channels and a bus support;
a plurality of cells less than said plurality of channels having first and second terminals extending out therefrom, each of said plurality of cells being received and positioned by one of said plurality of channels such that said first terminals are aligned and said second terminals are aligned;
a bus bar defining a plurality of slots greater than said plurality of cells allowing each of said first and second terminals to pass therethrough when said bus is mounted to said frame, said bus bar positioned over said first and second terminals such that said bus provides electrical contact for each of said first terminals to

electrical contact each other and said bus bar provides electrical contact for each of said second terminals to electrical contact each other to allow said battery assembly to provide the electric potential from said plurality of cells; and

a slide receivable by said bus support to maintain said first and second terminals in electrical contact with said bus bar .

16. A battery assembly as set forth in claim 14 wherein said bus support includes a guide for receiving said slide therein.

17. A battery assembly as set forth in claim 15 wherein said guide extends along said bus support at an angle.

18. A battery assembly as set forth in claim 16 wherein said angle is acute.

19. A battery assembly as set forth in claim 17 wherein said bus includes a terminal receiving surface for receiving said first and second terminals thereagainst.

20. A battery assembly as set forth in claim 18 wherein said bus includes an electrical conductor to contact each of said first and second terminals.

21. A battery assembly as set forth in claim 18 wherein said housing includes a front side support extending across one of said plurality of cells to protect said plurality of cells.